

Amendments to the Claims

Claim 1-35 (cancelled).

Claim 36 (currently amended): A process for preparing halogenated alkanes whereby a haloalkane and a haloalkene are reacted in the presence of both an alkyl phosphate and an elongated solid iron mass to produce a halogenated alkane.

Claim 37 (previously presented): The process of claim 36 wherein the haloalkane comprises carbon tetrachloride, the haloalkene comprises vinyl chloride, and the halogenated alkane comprises 1,1,1,3,3-pentachloropropane.

Claims 38 (previously presented): The process of claim 37 wherein the carbon tetrachloride and the vinyl chloride are reacted in a reactor having a temperature of at least 105°C.

Claim 39 (previously presented): The process of claim 37 wherein the carbon tetrachloride and the vinyl chloride are reacted in a reactor having a pressure of from about 5 to about 15 psig.

Claim 40 (previously presented): The process of claim 37 wherein the alkyl phosphate comprises tributyl phosphate.

Claim 41 (previously presented): The process of claim 37 further comprising converting the 1,1,1,3,3-pentachloropropane to 1,1,1,3,3-pentafluoropropane.

Claim 42 (previously presented): The process of claim 36 wherein the reacting occurs prior to isolating the halogenated alkane.

Claim 43-50 (cancelled).

Claim 51 (previously presented): The process of claim 36 wherein the haloalkane and the haloalkene are reacted in the presence of both the alkyl phosphate and the elongated iron mass within a reactor, the reactor being provided a mixture comprising:

the haloalkane;

the haloalkene; and

the alkyl phosphate.

Claim 52 (previously presented): The process of claim 51 wherein the mixture comprises at least two components, the first of the two components consisting of the haloalkane and the haloalkene, the second of the two components consisting of the alkyl phosphate, wherein the mixture comprises about 3% of the second component.

Claim 53 (previously presented): The process of claim 52 wherein the first component has a mole ratio of the haloalkane to the haloalkene of about 1.07:1.

Claim 54 (previously presented): The process of claim 51 wherein the mixture comprises at least two components, the first of the two components consisting of the haloalkane and the haloalkene, the second of the two components consisting of the alkyl phosphate, wherein the first component has a mole ratio of the haloalkane to the haloalkene of about 1.07:1.

Claim 55 (previously presented): The process of claim 36 wherein the haloalkane and the haloalkene are reacted in the presence of both the alkyl phosphate and the elongated iron mass to produce the halogenated alkane within a reactor, further comprising removing at least a portion of the halogenated alkane from within the reactor, wherein the elongated iron mass remains in the reactor during the removing.

Claim 56 (currently amended): The process of claim 36 wherein the elongated solid iron mass comprises iron wire.